

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Industrial communication networks – Profiles –
Part 3: Functional safety fieldbuses – General rules and profile definitions**

**Réseaux de communication industriels – Profils –
Partie 3: Bus de terrain de sécurité fonctionnelle – Règles générales et
définitions de profils**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**INDUSTRIAL COMMUNICATION NETWORKS –
PROFILES –**
**Part 3: Functional safety fieldbuses –
General rules and profile definitions**

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International Standard IEC 61784-3 has been prepared by subcommittee 65C: Industrial networks, of IEC technical committee 65: Industrial process measurement, control and automation.

This second edition cancels and replaces the first edition published in 2007. This edition constitutes a technical revision. The main changes with respect to the previous edition are listed below:

- clarifications and additional explanations for requirements, updated references;
- updates of definitions and requirements in relation with the new edition of IEC 61508;
- addition of a new informative Annex D providing an assessment guideline;
- updates in parts for CPF 1, CPF 2, CPF 3, CPF 6 (details provided in the parts);
- addition of new parts for CPF 8, CPF 12, CPF 13, CPF 14;
- in CPF parts, addition of an annex to provide information about test laboratories for testing and validating conformance of FSCP products.

This bilingual version published in 2011-12, corresponds to the English version published in 2010-07.

The text of this standard is based on the following documents:

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65C/591A/FDIS	65C/603/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

The French version of this standard has not been voted upon.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts of the IEC 61784-3 series, published under the general title *Industrial communication networks – Profiles – Functional safety fieldbuses*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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